

Cornell Notes

1

Topic / Objective: Bacteria / understand the characteristics of bacteria and th roles in the natural world	Name:
	Class / Period: 8A / 8B
	Date: Th, 11. 7. 19

Essential Question: How do bacteria get food, get energy, and reproduce?
 "What is the role of bacteria in nature?"

Questions:	Notes: Key Point	Information
How do autotrophic bacteria make food?	Cell Structures	- Prokaryotes, genetic material is not in a nucleus - Contains all other organelles
" _____ heterotrophic		- have 3 basic shapes
" " " ?	Cell Shape	I. Spherical (Cocci) II. rod-like (Bacilli) III. Spiral
What are 3 ways bacteria get food?	Energy	- making food or eating other organisms - Some autotrophs using the sun or chemical substances in environment (mud)
Why do all bacteria NOT need O ₂ ?		- Some heterotrophs using (milk/meat)
What is cellular respiration?	Cellular Respiration	- process of breaking ↓ food to release energy - Some heterotrophs using (milk/meat) food or decaying leaves
In addition to food, what else do most bacteria need to carry out respiration?		$C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O + ATP$ <div style="display: flex; justify-content: space-around; font-size: small;"> Glucose Oxygen Carbon dioxide Water </div>
	Reproduction	- asexually and sexually

Summary: Answer E.Q. in complete sentences here
